

REPLACEMENT SHEET

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FIGURE 3 (sheet 1 of 3)

» AHASL1B (1251) TTTGGTCCATGGCACAAGGAGTTGGATCAGCAGAAGAGGGAGTTTCCTCT
» AHASL1D (945) TTTGGTCCATGGCACAAGGAGTTGGATCAGCAGAAGAGGGAGTTTCCTCT
» AHASL1A (1058) TTTGGTCCATGGCACAAGGAGTTGGATCAGCAGAAGAGGGAGTTTCCTCT
(1251)

» CM-F (1) CCGCCGCAATATGCTATCCAG>
» AHASL1B (1301) AGGATTCAAGACTTTTGGTGAGGCCATCCCGCCGCAATATGCTATCCAGG
» AHASL1D (995) AGGATTCAAGACTTTTGGCGAGGCCATCCCGCCGCAATATGCTATCCAGG
» AHASL1A (1108) AGGATTCAAGACTTTTGGCGAGGCCATCCCGCCGCAATATGCTATCCAGG
(1301) +

» AHASL1B (1351) TACTGGATGAGCTGACAAAAGGGGAGGCGATCATTGCCACCGGTGTTGGG
» AHASL1D (1045) TACTGGATGAGCTGACAAAAGGGGAGGCGATCATTGCCACTGGTGTTGGG
» AHASL1A (1158) TACTGGATGAGCTGACAAAAGGGGAGGCGATCATTGCTACTGGTGTTGGG
(1351) + +

» AHASL1B (1401) CAGCATCAGATGTGGGCGGCTCAGTATTACACTTACAAGCGGCCACGGCA
» AHASL1D (1095) CAGCACCAGATGTGGGCGGCTCAGTATTACACTTACAAGCGGCCACGGCA
» AHASL1A (1208) CAGCACCAGATGTGGGCGGCTCAGTATTACACTTACAAGCGGCCACGGCA
(1401) +

» AHASL1B (1451) GTGGCTGTCTTCATCCGGTTTGGGTGCAATGGGATTGTTGGGTTGCCAGCTG
» AHASL1D (1145) GTGGCTGTCTTCGTCTGGTTTGGGGGCAATGGGATTGTTGGGTTACCAGCTG
» AHASL1A (1258) GTGGCTGTCTTCGTCTGGTTTGGGGGCAATGGGATTGTTGGGTTACCAGCTG
(1451) + + + +

» AHASL1B (1501) CAGCTGGCGCTGCTGTGGCCAACCCAGGTGTTACAGTTGTTGACATTGAT
» AHASL1D (1195) CAGCTGGCGCTGCTGTGGCCAACCCAGGTGTTACAGTTGTTGACATTGAT
» AHASL1A (1308) CAGCTGGCGCTGCTGTGGCCAACCCAGGTGTTACAGTTGTTGACATTGAT
(1501)

» AHASL1B (1551) GGGGATGGTAGTTTTCCTCATGAACATTCAGGAGTTGGCGTTGATCCGTAT
» AHASL1D (1245) GGTGATGGTAGTTTTCCTCATGAACATTCAGGAGTTGGCGTTGATCCGCAT
» AHASL1A (1358) GGAGATGGTAGTTTTCCTCATGAACATTCAGGAGTTGGCATTGATCCGTAT
(1551) + + +

» AHASL1B (1601) TGAGAACCTCCCAGTGAAGGTGATGATATTGAACAACCAGCATCTGGGAA
» AHASL1D (1295) TGAGAACCTCCCAGTGAAGGTGATGATATTGAACAACCAGCATCTGGGAA
» AHASL1A (1408) TGAGAACCTCCCTGTGAAGGTGATGATATTGAACAACCAGCATCTGGGAA
(1601) +

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FIGURE 3 (sheet 3 of 3)

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» AHASL1B (2101) GAACCGTGTAGTTTTGTAGTCTCTGTTCTCTTTTGTAGGGAYGTGCTGTC
» AHASL1D (1795) GAACCCTGTAGTTTTGTAGTCTATGTTCTCTTTTGTAGGGATGTGCTGTC
» AHASL1A (1908) GAACCCTGTAGCTTTGTAGTCTATGCTATCTTTTGTAGGGATGTGCTGTC
(2101)          +      +          +  +  +          +

» AHASL1B (2151) ATAARATATCATGCAAGTTTCTTGTCTTACATATCAATAATAAGCACTTC
» AHASL1D (1845) ATAARATRTCATGCAAGTTTCTTGTCTTACATATCAATAATAAGTACTTC
» AHASL1A (1958) ATAAAATATCATGCAAGTTTCTTGTCTTACATATCAATAATAAGTACTTC
« CM-R (1)      <<GTACGTTCAAAGAACAGGATG
(2151)          +      +          +          +

» AHASL1B (2201) CATGGAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
» AHASL1D (1895) CATGCAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
» AHASL1A (2008) CATGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA
(2201)          +  ++
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FIGURE 4 (sheet 1 of 3)

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» AHASL1B (1301) AGGATTCAAGACTTTTGGTGAGGCCATCCCGCCGCAATATGCTATCCAGG
» AHASL1D (995) AGGATTCAAGACTTTTGGCGAGGCCATCCCGCCGCAATATGCTATCCAGG
» AHASL1A (1108) AGGATTCAAGACTTTTGGCGAGGCCATCCCGCCGCAATATGCTATCCAGG
(1301) +

» 1AD-F (1) GGGAGGCCATCATTGCCACT>>
» AHASL1B (1351) TACTGGATGAGCTGACAAAAGGGGAGGCGATCATTGCCACCGGTGTTGGG
» AHASL1D (1045) TACTGGATGAGCTGACAAAAGGGGAGGCGATCATTGCCACTGGTGTGGG
» AHASL1A (1158) TACTGGATGAGCTGACAAAAGGGGAGGCGATCATTGCTACTGGTGTGGG
(1351) + +

» 1B-F (1) GGCA
» AHASL1B (1401) CAGCATCAGATGTGGGCGGCTCAGTATTACACTTACAAGCGGCCACGGCA
» AHASL1D (1095) CAGCACCAGATGTGGGCGGCTCAGTATTACACTTACAAGCGGCCACGGCA
» AHASL1A (1208) CAGCACCAGATGTGGGCGGCTCAGTATTACACTTACAAGCGGCCACGGCA
(1401) +

» 1B-F (6) GTGGCTGTCTTCATCCGTTTGGGTGCAATGGGATTGGGTTGCCAGCTG
» AHASL1B (1451) GTGGCTGTCTTCATCCGTTTGGGTGCAATGGGATTGGGTTGCCAGCTG
» AHASL1D (1145) GTGGCTGTCTTCGTCTGGTTTGGGGGCAATGGGATTGGGTTACCAGCTG
» AHASL1A (1258) GTGGCTGTCTTCGTCTGGTTTGGGGGCAATGGGATTGGGTTACCAGCTG
(1451) + + + +

» AHASL1B (1501) CAGCTGGCGCTGCTGTGGCCAACCCAGGTGTTACAGTTGTTGACATTGAT
» AHASL1D (1195) CAGCTGGCGCTGCTGTGGCCAACCCAGGTGTTACAGTTGTTGACATTGAT
» AHASL1A (1308) CAGCTGGCGCTGCTGTGGCCAACCCAGGTGTTACAGTTGTTGACATTGAT
(1501)

» AHASL1B (1551) GGGGATGGTAGTTTCTCATGAACATTCAGGAGTTGGCGTTGATCCGTAT
» AHASL1D (1245) GGTGATGGTAGTTTCTCATGAACATTCAGGAGTTGGCGTTGATCCGCAT
» AHASL1A (1358) GGAGATGGTAGTTTCTCATGAACATTCAGGAGTTGGCATTGATCCGTAT
(1551) + + +

» AHASL1B (1601) TGAGAACCTCCCAGTGAAGGTGATGATATTGAACAACCAGCATCTGGGAA
» AHASL1D (1295) TGAGAACCTCCCAGTGAAGGTGATGATATTGAACAACCAGCATCTGGGAA
» AHASL1A (1408) TGAGAACCTCCCTGTGAAGGTGATGATATTGAACAACCAGCATCTGGGAA
(1601) +

« 1A-R (1)
» AHASL1B (1651) TGGTGGTGCAAGTGGGAGGATAGGTTTTACAAGGCCAACCAGGCGCACACA
» AHASL1D (1345) TGGTGGTGCAAGTGGGAGGATAGGTTTTACAAGGCCAATCGGGCGCACACA
» AHASL1A (1458) TGGTGGTGCAATGGGAGGATAGGTTTTACAAGGCCAATCGGGCGCACACA
(1651) + +

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FIGURE 4 (sheet 2 of 3)

» AHASL1B	(1701)	TACCTTGGCAACCCAGAAAATGAGAGTGAGATATATCCAGATTTTGTGAC
» AHASL1D	(1395)	TACCTTGGCAACCCAGAAAATGAGAGTGAGATATATCCAGATTTTGTGAC
» AHASL1A	(1508)	TACCTTGGCAACCCAGAAAATGAGAGTGAGATATATCCAGATTTTGTGAC
	(1701)	
» AHASL1B	(1751)	GATTGCTAAAGGATTCAACGTTCCGGCAGTTCGTGTGACGAAGAAGAGCG
» AHASL1D	(1445)	GATTGCTAAAGGATTCAACGTTCCAGCAGTTCGAGTGACGAAGAAGAGCG
» AHASL1A	(1558)	GATTGCTAAAGGATTCAACGTTCCGGCAGTTCGTGTGACGAAGAAGAGCG
	(1751)	+ +
» AHASL1B	(1801)	AAGTCACTGCAGCAATCAAGAAGATGCTTGAGACCCAGGGCCATACTTG
» AHASL1D	(1495)	AAGTCACTGCAGCAATCAAGAAGATGCTTGAGACCCAGGGCCATACTTG
» AHASL1A	(1608)	AAGTCACTGCAGCAATCAAGAAGATGCTTGAGACCCAGGGCCATACTTG
	(1801)	
» WT-F	(1)	GTGCTGCCTATGATCCGAAG
» MU-F	(1)	CGTGCTGCCTATGATCCGAAC
» AHASL1B	(1851)	TTGGATATCATTTGTCCCGCATCAGGAGCACGTGCTGCCTATGATCCCAAG
» AHASL1D	(1545)	TTGGATATCATAGTCCCGCATCAGGAGCACGTGCTGCCTATGATCCCAAG
» AHASL1A	(1658)	TTGGATATCATCGTCCCGCATCAGGAGCACGTGCTGCCTATGATCCCAAG
	(1851)	+ + +
» AHASL1B	(1901)	CGGTGGTGCTTTTAAGGACATGATCATGGAGGGTGATGGCAGGACCTCGT
» AHASL1D	(1595)	CGGTGGTGCTTTCAAGGACATGATCATGGAGGGTGATGGCAGGACCTCGT
» AHASL1A	(1708)	CGGTGGTGCTTTCAAGGACATGATCATGGAGGGTGATGGCAGGACCTCGT
	(1901)	+
» AHASL1B	(1951)	ACTGAAATTTTCGACCTACAAGACCTACAAGTGTGACATGCGCAATCAGCA
» AHASL1D	(1645)	ACTGAAATTTTCGACCTACAAGACCTACAAGTGTGACATGCGCAATCAGCA
» AHASL1A	(1758)	ACTGAAATTTTCGACCTACAAGACCTACAAGTGTGACATGCGCAATCAGCA
	(1951)	
» AHASL1B	(2001)	TGATACCTGCGTGTGTGATCAACTACTGGGGGTTCAACTGTGAACCATGC
» AHASL1D	(1695)	TGATGCCCCGCGTGTGTGATCAACTACTAGGGGTTCAACTGTGARCCATGC
» AHASL1A	(1808)	TGGTGCCCCGCGTGTGTGATCAACTACTAGGGGTTCAACTGTGAACCATGC
« 1B-R	(1)	<<TCGAGGCACAACATAGTTGATGAC
	(2001)	+ + + + +
» AHASL1B	(2051)	GTTTTCTAGTTTGTCTGTTTCATTCATATAAGCTTGTGTTACTTAGTTCC
» AHASL1D	(1745)	GTTTTCTAGTTTGTCTGTTTCATTCATATAAGCTTGTGTTACTTAGTTCC
» AHASL1A	(1858)	GTTTTCTAGTTTGTCTGTTTCATTCATATAAGCTTGTGTTACTTAGTTCC
	(2051)	+

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FIGURE 4 (sheet 3 of 3)

» AHASL1B	(2101)	GAACCGTGTAGTTTTGTAGTCTCTGTTCTCTTTTGTAGGGAYGTGCTGTC	
» AHASL1D	(1795)	GAACCCTGTAGTTTTGTAGTCTATGTTCTCTTTTGTAGGGATGTGCTGTC	
» AHASL1A	(1908)	GAACCCTGTAGCTTTGTAGTCTATGCTATCTTTTGTAGGGATGTGCTGTC	
« 1D-R	(1)		<<TAGAAGAGAAAACATCCCTACAG
« 1A-R	(1)		<<GATAGAAAACATCCCTACAGCAG
	(2101)	+ + + ++ + +	
» AHASL1B	(2151)	ATAARATATCATGCAAGTTTCTTGTCTTACATATCAATAATAAGCACTTC	
» AHASL1D	(1845)	ATAARATRTCATGCAAGTTTCTTGTCTTACATATCAATAATAAGTACTTC	
» AHASL1A	(1958)	ATAAAATATCATGCAAGTTTCTTGTCTTACATATCAATAATAAGTACTTC	
	(2151)	+ + +	
» AHASL1B	(2201)	CATGGAGCAAAAAAAAAAAAAAAAAAAAAA	
» AHASL1D	(1895)	CATGCAGTAAAAAAAAAAAAAAAAAAAAA	
» AHASL1A	(2008)	CATGGAAAAAAAAAAAAAAAAAAAAA	